

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- OVERLAP

* NUMBER REFERS TO ASSOCIATED PHASE
 ** DENOTES NEW PHASES

PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5
D	8	1

CABLE PLAN LEGEND

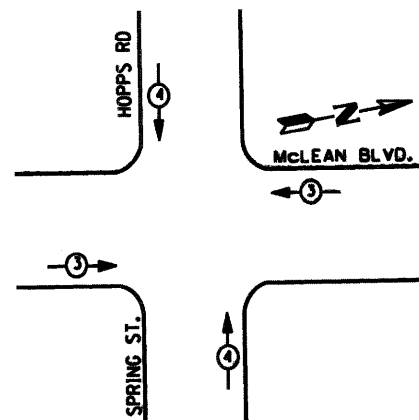
EXISTING PROPOSED

- 8" (200mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE CONNECTION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- VIDEO CAMERA ASSEMBLY

EXISTING PROPOSED

- SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGN, L.E.D. "NO LEFT TURN"
- ILLUMINATED SIGN, L.E.D. "NO RIGHT TURN"
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
- GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
- FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTIONS	
EMERGENCY VEHICLE PREEMPTION	MOVEMENT
3	4
MOVEMENT	

NOTE:

EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

FOUNDATION (DEPTH)	FT. AND	CABLE SLACK	FT. AND	VERTICAL	FT. AND
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-4'-2"
E - M. ARM POLE	15 (4.6)	SIGNAL POST	2 (0.6)	PERM. 0.6mm	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.3)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

NO. 16 STRANDED

McLEAN BOULEVARD

SPRING STREET

NO. 20 TWISTED SHIELDED

NO. 16 STRANDED

NO. 6

NO. 20 TWISTED SHIELDED

NO. 16 STRANDED

NO. 6

CABLE PLAN

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCANDESC)	OPERATION		
SIGNAL (RED)	14	175	0.50		119.00
(YELLOW)	14	175	0.25		87.50
(GREEN)	14	175	0.25		87.50
ARROW	24	175	0.10		28.80
PED. SIGNAL	8	90	1.00		200.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	1	82	0.05		
FLASHER			0.50		
ENERGY COSTS TO:			TOTAL =	597.80	

KANE COUNTY DEPARTMENT OF TRANSPORTATION
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 COMPANY: COM. EDISON

KANE COUNTY
 DIVISION OF TRANSPORTATION

McLEAN BLVD / SPRING STREET
 CABLE PLAN

FILE NAME	USER NAME	DESIGNED	REVIS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE#	USER#	DESIGNED - PV	REVIS -	2509	08-00094-02-01	33	8
PLOT SCALE	CHECKED	DATE	REVIS	STA.	TO STA.		
PLOT DATE	DATE	11/23/08	REVIS				

CONTRACT NO. 63125